

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A resin composition comprising:
a thermosetting resin; and
a filler dispersed in the thermosetting resin,
wherein a particle size curve of the filler has a small-diameter peak, a large-diameter peak having a higher frequency than that of the small-diameter peak, and a valley which is positioned between the small-diameter peak and the large-diameter peak and has a lower frequency than that of the small-diameter peak, and
wherein a frequency ratio of the valley to the large-diameter peak is 0.08 or less.
2. (Original) The resin composition according to Claim 1,
wherein particles of the filler are nearly spherical.
3. (Original) The resin composition according to Claim 1,
wherein the thermosetting resin is an epoxy resin.
4. (Original) The resin composition according to Claim 1,
wherein a frequency ratio of the large-diameter peak and the small-diameter peak is between 1:0.1 and 1:0.2.
5. (Currently amended) ~~The A resin composition according to Claim 1~~
comprising:
a thermosetting resin; and
a filler dispersed in the thermosetting resin,
wherein a particle size curve of the filler has a small-diameter peak, a large-diameter peak having a higher frequency than that of the small-diameter peak, and a

valley which is positioned between the small-diameter peak and the large-diameter peak and has a lower frequency than that of the small-diameter peak,

wherein a frequency of the large-diameter peak is 8% to 9%, a frequency of the small-diameter peak is 1% to 2%, and a frequency of the valley is 0.5% or less.

6. (Currently amended) ~~The A resin composition according to Claim 1,~~
comprising:

a thermosetting resin; and

a filler dispersed in the thermosetting resin,

wherein a particle size curve of the filler has a small-diameter peak, a large-diameter peak having a higher frequency than that of the small-diameter peak, and a valley which is positioned between the small-diameter peak and the large-diameter peak and has a lower frequency than that of the small-diameter peak,

wherein the large-diameter peak, the small-diameter peak, and the valley show a particle diameter ratio of 1:Y:Z, wherein Y is between 0.01 and 0.07 and Z is between 0.09 and 0.25.

7. (Currently amended) ~~The A resin composition according to Claim 1,~~
comprising:

a thermosetting resin; and

a filler dispersed in the thermosetting resin,

wherein a particle size curve of the filler has a small-diameter peak, a large-diameter peak having a higher frequency than that of the small-diameter peak, and a valley which is positioned between the small-diameter peak and the large-diameter peak and has a lower frequency than that of the small-diameter peak,

wherein the large-diameter peak has a particle diameter of 30 to 50 μm , the small-diameter peak has a particle diameter of 0.7 to 3 μm , and the valley has a particle diameter of 4 to 10 μm .

Claim 8. (Canceled).

9. (Currently amended) An ignition coil device comprising:
a primary-coil spool which a primary coil wire is wound around and generates a voltage;
a secondary-coil spool which a secondary coil wire is wound around, boosts the voltage generated from the primary coil, and applies the voltage to an ignition plug; and
a resin composition which penetrates into gaps of the primary coil wire and of the secondary coil wire and is cured to ensure insulation,
wherein the resin composition includes a thermosetting resin and a filler dispersed in the thermosetting resin, and
wherein a particle size curve of the filler has a small-diameter peak, a large-diameter peak having a higher frequency than that of the small-diameter peak, and a valley which is positioned between the small-diameter peak and the large-diameter peak and has a lower frequency than that of the small-diameter peak, wherein a frequency ratio of the valley to the large-diameter peak is 0.08 or less.

10. (Original) The ignition coil device according to Claim 9,
wherein particles of the filler are nearly spherical.

11. (Original) The ignition coil device according to Claim 9,
wherein the thermosetting resin is an epoxy resin.

12. (Original) The ignition coil device to Claim 9,
wherein a frequency ratio of the large-diameter peak and the small-diameter peak is between 1:0.1 and 1:0.2.

13. (Currently amended) The An ignition coil device according to Claim 9, comprising:

a primary spool which a primary coil wire is wound around and generates a voltage;

a secondary spool which a secondary coil wire is wound around, boosts the voltage generated from the primary coil, and applies the voltage to an ignition plug; and
a resin composition which penetrates into gaps of the primary coil wire and of the secondary coil wire and is cured to ensure insulation,

wherein the resin composition includes a thermosetting resin and a filler dispersed in the thermosetting resin, and

wherein a particle size curve of the filler has a small-diameter peak, a large-diameter peak having a higher frequency than that of the small-diameter peak, and a valley which is positioned between the small-diameter peak and the large-diameter peak and has a lower frequency than that of the small-diameter peak,

wherein a frequency of the large-diameter peak is 8% to 9%, a frequency of the small-diameter peak is 1% to 2%, and a frequency of the valley is 0.5% or less.

14. (Currently amended) ~~The~~ An ignition coil device ~~according to Claim 9,~~
comprising:

a primary spool which a primary coil wire is wound around and generates a voltage;

a secondary spool which a secondary coil wire is wound around, boosts the voltage generated from the primary coil, and applies the voltage to an ignition plug; and

a resin composition which penetrates into gaps of the primary coil wire and of the secondary coil wire and is cured to ensure insulation,

wherein the resin composition includes a thermosetting resin and a filler dispersed in the thermosetting resin, and

wherein a particle size curve of the filler has a small-diameter peak, a large-diameter peak having a higher frequency than that of the small-diameter peak, and a valley which is positioned between the small-diameter peak and the large-diameter peak and has a lower frequency than that of the small-diameter peak,

wherein the large-diameter peak, the small-diameter peak, and the valley show a particle diameter ratio of 1:Y:Z, wherein Y is between 0.01 and 0.07 and Z is between 0.09 and 0.25.

15. (Currently amended) ~~The~~ An ignition coil device ~~according to Claim 9,~~
comprising:

a primary spool which a primary coil wire is wound around and generates a
voltage;

a secondary spool which a secondary coil wire is wound around, boosts the
voltage generated from the primary coil, and applies the voltage to an ignition plug; and

a resin composition which penetrates into gaps of the primary coil wire and of the
secondary coil wire and is cured to ensure insulation,

wherein the resin composition includes a thermosetting resin and a filler
dispersed in the thermosetting resin, and

wherein a particle size curve of the filler has a small-diameter peak, a large-
diameter peak having a higher frequency than that of the small-diameter peak, and a
valley which is positioned between the small-diameter peak and the large-diameter
peak and has a lower frequency than that of the small-diameter peak,

wherein the large-diameter peak has a particle diameter of 30 to 50 μm , the
small-diameter peak has a particle diameter of 0.7 to 3 μm , and the valley has a particle
diameter of 4 to 10 μm .

Claim 16. (Canceled).

17. (Original) The ignition coil device according to Claim 9,
wherein the ignition coil device is directly mounted in an engine's plug hole.

18. (Original) The ignition coil device according to Claim 9,
wherein there is a distance ranging from 5 to 700 μm between adjacent turns of
the secondary coil wire.

19. (New) The ignition coil device according to Claim 9,

wherein the secondary coil wire has an external diameter ranging from 0.04 mm to 0.09 mm.

20. (New) The resin composition according to Claim 5, wherein particles of the filler are nearly spherical.

21. (New) The resin composition according to Claim 5, wherein the thermosetting resin is an epoxy resin.

22. (New) The resin composition according to Claim 6, wherein particles of the filler are nearly spherical.

23. (New) The resin composition according to Claim 6, wherein the thermosetting resin is an epoxy resin.

24. (New) The resin composition according to Claim 7, wherein particles of the filler are nearly spherical.

25. (New) The resin composition according to Claim 7, wherein the thermosetting resin is an epoxy resin.

26. (New) The ignition coil device according to Claim 13, wherein particles of the filler are nearly spherical.

27. (New) The ignition coil device according to Claim 13, wherein the thermosetting resin is an epoxy resin.

28. (New) The ignition coil device according to Claim 13, wherein the ignition coil device is directly mounted in an engine's plug hole.

29. (New) The ignition coil device according to Claim 13,
wherein there is a distance ranging from 5 to 700 μm between adjacent turns of
the secondary coil wire.

30. (New) The ignition coil device according to Claim 13,
wherein the secondary coil wire has an external diameter ranging from 0.04 mm
to 0.09 mm.

31. (New) The ignition coil device according to Claim 14,
wherein particles of the filler are nearly spherical.

32. (New) The ignition coil device according to Claim 14,
wherein the thermosetting resin is an epoxy resin.

33. (New) The ignition coil device according to Claim 14,
wherein the ignition coil device is directly mounted in an engine's plug hole.

34. (New) The ignition coil device according to Claim 14,
wherein there is a distance ranging from 5 to 700 μm between adjacent turns of
the secondary coil wire.

35. (New) The ignition coil device according to Claim 14,
wherein the secondary coil wire has an external diameter ranging from 0.04 mm
to 0.09 mm.

36. (New) The ignition coil device according to Claim 15,
wherein particles of the filler are nearly spherical.

37. (New) The ignition coil device according to Claim 15,
wherein the thermosetting resin is an epoxy resin.

38. (New) The ignition coil device according to Claim 15,
wherein the ignition coil device is directly mounted in an engine's plug hole.
39. (New) The ignition coil device according to Claim 15,
wherein there is a distance ranging from 5 to 700 μm between adjacent turns of
the secondary coil wire.
40. (New) The ignition coil device according to Claim 15,
wherein the secondary coil wire has an external diameter ranging from 0.04 mm
to 0.09 mm.
41. (New) The ignition coil device according to Claim 9,
wherein the gaps of the secondary coil wire are filled with the resin composition
that is cured to ensure insulation.
42. (New) The ignition coil device according to Claim 13,
wherein the gaps of the secondary coil wire are filled with the resin composition
that is cured to ensure insulation.
43. (New) The ignition coil device according to Claim 14,
wherein the gaps of the secondary coil wire are filled with the resin composition
that is cured to ensure insulation.
44. (New) The ignition coil device according to Claim 15,
wherein the gaps of the secondary coil wire are filled with the resin composition
that is cured to ensure insulation.